

Date: Fri, 30 Sep 94 07:51:02 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #1076  
To: Info-Hams

Info-Hams Digest                      Fri, 30 Sep 94                      Volume 94 : Issue 1076

Today's Topics:

    Communications-Electronics Technical books for sale  
    Daily Summary of Solar Geophysical Activity for 28 September  
        Do YOU sign ur QSL?  
        Home Page on WWW  
        Need an Icom IC-900 manual?  
    Need help with FT-530: half-duplex crossband operation  
        Power Supply help  
        Shops in NYC and Boston?  
        UK repeaters frequencies needed ...  
        What does all call signs have been issued?  
    Where can I find the packet/Internet gateway list?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
-----

Date: 29 Sep 1994 04:34:10 -0400  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!cs.utexas.edu!  
convex!news.duke.edu!MathWorks.Com!yeshua.marcam.com!zip.eecs.umich.edu!  
newsxfer.itd.umich.edu!montego!@network.  
Subject: Communications-Electronics Technical books for sale  
To: info-hams@ucsd.edu

    In a continual effort to clear up some space, I have the following  
radio-electronics books for sale:

        'A Handbook on Mobile Communications,' William Duff, Don White  
Consultants, Inc, 1980

'Modern Electronic Communication,' Gary Miller, Prentice-Hall, 1978

'Lightning & Lightning Protection,' William Hart & Edgar Malone, Don White Consultants, Inc., 1979

'Spectrum Management Techniques,' Donald Jansky, Don White Consultants, Inc. 1977

'EMP Environment & System Hardness Design,' Rabindra Ghose, Don White Consultants, Inc. 1984

'Interference Control in Computers & Microprocessor-Based Equipment,' Michel Mardiguian, Don White Consultants, Inc. 1984

'Electromagnetic Shielding -- Materials & Performance,' Donald White, Don White Consulting, Inc. 1980

'Antenna Theory & Design,' Robert Elliot, Prentice Hall, 1981

'Practical RF Design Manual,' Doug DeMaw, Prentice Hall, 1982

'Grounding for the Control of EMI,' Hugh Denny, Don White Consultants, Inc. 1983

'Computer Communications Volume II -- Systems & Applications,' Edited by Wushow Chou, Prentice-Hall, 1985

'Amateur Radio Equipment Fundamentals,' Albert Helfrick, Prentice-Hall, 1982

'EMC Technology -- 1982 Anthology,' Don White Consultants, Inc. 1984

'Transmission Analysis in Communication Systems (Volume 1),' Osamu

Shimbo, Computer Science Press Inc., 1988

\*\*\*\*\*

All of the reference texts are in like-new condition. I'll take best offers on any or all of them. Preference of course is to sell all or the majority of them to one person, to simplify shipping matters, but I'm flexible -- the main goal is to free up some shelf space.

Please respond via e-mail.

--

Tim Tyler     Internet: tim@ais.org   Packet: KA8VIR @WB8ZPN.#SEMI.MI.USA.NA  
P.O. Box 443     C\$erve:72571,1005 GEnie: T.Tyler5 AOL: Hooligan MCI: 442-5735  
Ypsilanti MI  
48197                     This product was not tested on any animals.

-----  
Date: Wed, 28 Sep 94 22:48:13 MDT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-  
state.edu!caen!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!  
usenet@network.ucsd.edu  
Subject: Daily Summary of Solar Geophysical Activity for 28 September  
To: info-hams@ucsd.edu

/\

DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

28 SEPTEMBER, 1994

/\

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 28 SEPTEMBER, 1994  
-----

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 271, 09/28/94  
10.7 FLUX=074.0   90-AVG=079             SSN=035             BKI=4344 2110   BAI=013  
BGND-XRAY=A2.3     FLU1=1.8E+05   FLU10=1.4E+04   PKI=4344 2221   PAI=013  
BOU-DEV=042,031,063,065,010,006,006,003   DEV-AVG=028 NT     SWF=00:000  
XRAY-MAX= A7.7   @ 0335UT     XRAY-MIN= A1.9   @ 0114UT     XRAY-AVG= A3.3  
NEUTN-MAX= +002%   @ 2325UT   NEUTN-MIN= -001%   @ 1210UT   NEUTN-AVG= +0.5%  
PCA-MAX= +0.1DB @ 1635UT     PCA-MIN= -0.1DB @ 2145UT     PCA-AVG= +0.0DB

BOUTF-MAX=55215NT @ 0251UT    BOUTF-MIN=55183NT @ 1648UT    BOUTF-AVG=55201NT  
GOES7-MAX=P:+000NT@ 0000UT    GOES7-MIN=N:+000NT@ 0000UT    G7-AVG=+063,+000,+000  
GOES6-MAX=P:+117NT@ 2126UT    GOES6-MIN=N:-019NT@ 1846UT    G6-AVG=+091,+030,-004  
FLUXFCST=STD:074,075,077;SESC:074,075,077 BAI/PAI-FCST=012,010,007/012,010,010  
KFCST=2222 3111 2222 2111    27DAY-AP=011,006    27DAY-KP=4323 1133 3311 2111  
WARNINGS=  
ALERTS=  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 27 SEP 94 was 18.0.  
The Full Kp Indices for 27 SEP 94 are: 4- 3o 4- 4+    3o 2o 2- 3-  
The 3-Hr Ap Indices for 27 SEP 94 are: 22 16 24 32 14 9 7 13  
Greater than 2 MeV Electron Fluence for 28 SEP is: 2.4E+07

#### SYNOPSIS OF ACTIVITY

-----  
Solar activity was very low. No significant activity noted as disk and limb remain stable.

Solar activity forecast: solar activity is expected to be very low.

The geomagnetic field has been at mostly quiet to active levels for the past 24 hours with a brief period of minor storm activity reported at high latitude stations from 28/09-12Z. The greater than 2 MeV energetic electron flux was generally moderate with a brief period of high activity from 28/21-23Z.

Geophysical activity forecast: the geomagnetic field is expected to be mostly quiet to unsettled for the next three days.

Event probabilities 29 sep-01 oct

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 29 sep-01 oct

A. Middle Latitudes	
Active	20/10/10
Minor Storm	05/05/01
Major-Severe Storm	01/01/01

B. High Latitudes  
Active 20/15/10  
Minor Storm 15/10/05  
Major-Severe Storm 05/01/01

HF propagation conditions continued below-normal over the high and polar latitude paths, although conditions were improving by the end of the UTC day. Propagation should continue to improve over all regions and return to near-normal by 30 September.

# STD ESTIMATED CORONAL HOLE BOUNDARY LOCATIONS DERIVED FROM YOHKOH X-RAYS

-----  
VALID AT 01:10UTC 28SEP94

"!H!" = Highly probable coronal hole locations.  
"!W!" = Weak x-ray emissions (possible weak coronal holes).

```

!!!
! ! DOY=271 VALID=01:10UTC 28SEP94
!H! N33E90 N32E80 N26E81 N24E78 N26E72 N24E63 N18E61 N13E57 N12E55
!H! N10E55 N08E57 N08E52 N11E51 N12E47 N10E41 N06E35 N04E34 N06E30 N14E33
!H! N15E39 N18E41 N24E42 N28E40 N30E33 N30E24 N32E26 N36E34 N42E50 N48E59
!H! N52E76 N62E73 N68E67 N76E66 N80E41 N77E04 N72W29 N66W37 N60W53 N61W60
!H! N64W90
! !
!H! S70E90 S56E37 S56E26 S62E22 S80E90
! !
!W! S16E03 S21W06 S18W10 S14W03 S14E01 S16E03
!!!

```

## COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

=====

## REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 28/2400Z SEPTEMBER

-----

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7781	S07W74	223	0050	CS0	06	003	BETA	
7782	N03W79	227	0000	AXX	01	001	ALPHA	
7783	S07E45	103	0070	HSX	02	001	ALPHA	

REGIONS DUE TO RETURN 29 SEPTEMBER TO 01 OCTOBER

NMBR	LAT	LO
7776	S03	053

## LISTING OF SOLAR ENERGETIC EVENTS FOR 28 SEPTEMBER, 1994

-----  
 BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP  
 NONE

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 28 SEPTEMBER, 1994

-----  
 BEGIN MAX END LOCATION TYPE SIZE DUR II IV  
 NO EVENTS OBSERVED

INFERRED CORONAL HOLES. LOCATIONS VALID AT 28/2400Z

-----  
 ISOLATED HOLES AND POLAR EXTENSIONS  
 EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN  
 06 N30E63 N07E42 N18E23 N45E63 111 ISO POS 023 10830A  
 07 N65E88 N51E43 N51E43 N65E88 086 EXT POS 006 10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

-----  
 Date Begin Max End Xray Op Region Locn 2695 MHz 8800 MHz 15.4 GHz  
 -----  
 27 Sep: 0754 0823 0859 B1.4  
 0925 0929 0932 B1.3  
 1507 1515 1549 B2.0 SF 7781 S09W55  
 1843 1847 1850 B1.1 SF 7781 S06W59

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

-----  
 C M X S 1 2 3 4 Total (%)  
 -- -- -- -- --  
 Region 7781: 0 0 0 2 0 0 0 0 002 (50.0)  
 Uncorrelated: 0 0 0 0 0 0 0 0 002 (50.0)

Total Events: 004 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

-----  
 Date Begin Max End Xray Op Region Locn Sweeps/Optical Observations  
 -----  
 NO EVENTS OBSERVED.

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

SPECIAL INSERT: YOHKOH FULL-DISK X-RAY IMAGE

28 September 1994, 01:10 UTC

North

[illegible]

South

Hi Martin. Well, I can tell you that I sign mine. Also, I have had very good luck receiving cards with sigs on them. Many of



my received cards are from contest Qs and I don't think I have ever received a card that was not usable for credit.

I have received credit for cards that were not signed, but they have probably been for \*easy\* countries. I suspect the rare ones get scrutinized a little closer.

73, Jeff.

--

```
*****
jwittich@b4pph107.bnr.ca  *** CW ops let their fingers do the talking.
AC4Z0      *** BNR claims they know nothing of my employment here.
*****
```

-----

Date: 28 Sep 1994 20:49:28 -0600  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!  
europa.eng.gtefsd.com!newsxfer.itd.umich.edu!jobone!lynx.unm.edu!polaris.unm.edu!  
not-for-mail@network.ucsd.edu  
Subject: Home Page on WWW  
To: info-hams@ucsd.edu

For those interested in WWW you can try my home page (It is only 2 weeks old so don't expect wonders!)

73 de F5JTL

/// (. .)	/// (. .)	/// (. .)
+o00-( )-00o-----	+o00-( )-00o-----	+o00-( )-00o+
Laurent D. Thomin	Email: F5JTL@UNM.EDU	
Department of Linguistics	Ham Radio Callsigns: F5JTL ** WX3W/5	
University of New Mexico		
WEB address: <a href="http://www.unm.edu/~f5jtl/index.html">http://www.unm.edu/~f5jtl/index.html</a>		
"We never find out the strength of the evil impulse inside us until we		
try to fight it"		
C.S. Lewis		
+-----		+

-----  
Date: 29 Sep 1994 04:38:58 -0400  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!spool.mu.edu!  
caen!newsxfer.itd.umich.edu!montego!not-for-mail@network.ucsd.edu  
Subject: Need an Icom IC-900 manual?  
To: info-hams@ucsd.edu

Anyone need a manual for the Icom IC-900A/E radio system? I have  
the manual, but long ago got rid of the radio!

If anyone has a need for the manual. e-mail me quickly, before it  
gets dumped with all the other paper to be reecycled!

Postage to mail it off should be a little under \$1.

Tim

--  
Tim Tyler    Internet: tim@ais.org    Packet: KA8VIR @WB8ZPN.#SEMI.MI.USA.NA  
P.O. Box 443    C\$erve:72571,1005 GEnie: T.Tyler5 AOL: Hooligan MCI: 442-5735  
Ypsilanti MI  
48197                      This product was not tested on any animals.

-----  
Date: Thu, 29 Sep 1994 04:10:12 GMT  
From: ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!lerc.nasa.gov!magnus.acs.ohio-  
state.edu!math.ohio-state.edu!cs.utexas.edu!convex!news.duke.edu!eff!news.kei.com!  
ub!acsu.buffalo.edu!smernoff@.  
Subject: Need help with FT-530: half-duplex crossband operation  
To: info-hams@ucsd.edu

In article <369o7a\$2rt@news.duke.edu>, <jbs@ee.duke.edu> wrote:  
>This weekend we were experimenting with crossband repeating and ran into some  
>difficulty with feedback when trying to use the HT transmitting on one band  
>and receiving on the other. With my DJ-580 you set FL (freq lock) and then  
>toggle full-duplex on/off for the active band by pushing the "Power" button.  
>Works great - with FD off no feedback when you transmit. My friend has an  
>FT-530 and nothing in the manual gives any clue about turning off full-duplex  
>operation.  
>  
>Anybody out there know how to switch it off on a 530?  
>  
>Thanks in advance...  
>

> -joe  
>--

When I tried to find out about this (after scouring the manual), I finally resorted to using the out of band receive feature to eliminate the feedback. IE, the repeater I wanted was on 44x.xxx, and I wanted to go in on a 2m freq, say 146.xxx. I programmed the radio to receive on the 440 rprr output, but transmitted on the 2m freq. Only problem here, is that you can't hear the frequency you are transmitting on. Hope this helps.

73 de Dave, WY2P

-----  
Date: Thu, 29 Sep 1994 02:52:56 GMT  
From: ihnp4.ucsd.edu!pacbell.com!sgiblab!swrinde!news.uh.edu!uuneo.neosoft.com!  
inviso.com!mark@network.ucsd.edu  
Subject: Power Supply help  
To: info-hams@ucsd.edu

Hi all,

I hope I'm posting this to the right group. I need plans or help constructing a 9V (supplying 9V at 2 or 3 amps) power supply that will be used in Russia (220V 50Hz). I have the '92 Handbook and it has several projects that are all well and good, but not being an engineer I don't know exactly what to substitute to get the output I need from the foreign source. One more problem is I need to have this built by October 5 (it will be leaving with my brother then).

Orrr.... should he just wait and buy one when he gets to Russia?  
Thanks for any help  
Mark Symms  
WB5SRQ

--  
Mark Symms  
mark@inviso.com

-----  
Date: Thu, 29 Sep 1994 11:49:43 +0000  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
news.sprintlink.net!demon!microvst.demon.co.uk!tgold@network.ucsd.edu  
Subject: Shops in NYC and Boston?  
To: info-hams@ucsd.edu

I've noticed that several electronics gadget shops in the 42nd Street, Times Square to 8th Avenue area sport 2m HT's in the windows. I hate to think who buys these and for what purpose, but you might check these

out for price. By the way Barry's will move or has just moved. They are or will be about a half block uptown, still on Broadway.

--

Tony, G3SKR & AA2PM

-----  
Date: Thu, 29 Sep 1994 11:43:12 +0000  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
news.sprintlink.net!demon!microvst.demon.co.uk!tgold@network.ucsd.edu  
Subject: UK repeaters frequencies needed ...  
To: info-hams@ucsd.edu

In article <36c1bh\$e3r@anemone.saclay.cea.fr>  
jcmonier@muguet.saclay.cea.fr "Jean-Christophe MONIER" writes:

>  
> 73 to everyone,  
>  
> I'm searching repeaters freq. in VHF and UHF for UK and especially  
> for KENT and SUSSEX.  
>  
> If someone can post that ...

For 2m:

Who	Where	Repeater o/p	Input Offset
GB3SR	Brighton, West Sussex	145.600	-600
GB3KS	Dover, Kent	145.625	ditto
GB3ES	Hastings, E. Sussex	145.675	ditto
GB3KN	Maidstone, Kent	145.700	ditto
GB3WS	Horsham, W. Sussex	145.750	ditto

For 70cms:

GB3CK	Ashford, Kent	433.000	+1.6
GB3HO	Horsham, Sussex	433.025	ditto
GB3NX	Crawley, W. Sussex	433.050	ditto
GB3CC	Chichester, W. Sussex	433.075	ditto
GB3NK	Wrotham, Kent	433.100	ditto
GB3HY	Haywards Heath, Sussex	433.125	ditto
GB3SK	Canterbury, Kent	433.150	ditto
GB3RE	Chatham, Kent	433.275	ditto
GB3HE	Hastings, Sussex	433.350	ditto

23cms:

GB3CP        Crawley, W. Sussex        1297.075        -6.0

This list came from my 1993 Call Book. I have a newer one at the shack which is at another location. Will post updates or corrections after the weekend. In the meantime, have good luck with these.

Tony, G3SKR & AA2PM

-----  
Date: Wed, 28 Sep 1994 22:35:57 GMT  
From: netcomsv!netcom.com!snoonan@decwrl.dec.com  
Subject: What does all call signs have been issued?  
To: info-hams@ucsd.edu

There was an earlier message stating that All call signs for tech/gen in group 6 were issued.

I just passed my tech exams this last weekend. So what happens now?

Signed,

A hopefully Future HAM.

--  
=====

Sam Noonan -- snoonan@netcom.com        finger for PGP Public key.

-----

Date: Thu, 29 Sep 1994 10:59:43 +0000  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
news.sprintlink.net!demon!microvst.demon.co.uk!tgold@network.ucsd.edu  
Subject: Where can I find the packet/Internet gateway list?  
To: info-hams@ucsd.edu

In article <36aq0t\$a6n@hermes.unt.edu>  
drice@ponder.csci.unt.edu "D. Keith Rice" writes:

> Can someone tell me where I can find the latest version of the  
> packet/Internet gateway list? Or can someone send it to me?  
>

Please post the answer to this, else please mail me a copy too.

Tony, G3SKY & AA2PM

-----  
Date: Thu, 29 Sep 1994 10:50:28 +0000  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
news.sprintlink.net!demon!microvst.demon.co.uk!tgold@network.ucsd.edu  
To: info-hams@ucsd.edu

References <lestrade.780506240@Ra.MsState.Edu>, <barry.490.000AF159@indirect.com>,  
<AMZiuAZIBh107h@rcp.co.uk>demon  
Reply-To : tgold@microvst.demon.co.uk  
Subject : Re: Why does Radio Shac care if I export HT202?     ###

In article <AMZiuAZIBh107h@rcp.co.uk> scott@rcp.co.uk "Scott Earle" writes:

>  
> There may be a difference with repeater shifts, too. UK repeaters (I don't  
> know about other European countries' repeaters) transmit 600kHz higher than  
> their receive frequencies on 2m, and transmit 1.3MHz LOWER than their receive  
> frequencies on 70cms.

I've always been using a 1.6MHz offset on 70cms with good results. Is my  
deviation set too high?

Tony, G3SKR & A2PM

-----  
Date: Thu, 29 Sep 1994 20:18:07 GMT  
From: hearst.acc.Virginia.EDU!cscsun!dtiller@uunet.uu.net  
To: info-hams@ucsd.edu

References <1994Sep19.134053.4255@newsgate.sps.mot.com>, <CwDxGt.6x8@cup.hp.com>,  
<1994Sep22.015144.5413@tower>  
Subject : Re: Restrictive Covenants: I can't have \*any\* antenna?

: Michael R. Dow (R1156C@WACCV.M.CORP.MOT.COM) wrote:  
:  
: : My wife and I are looking at a new house... Its a nice house... Nice  
: : neighborhood, nice neighbors... You know, the kind of house that's  
: : just... well..... Nice. EXCEPT!  
:  
: : There's this one little clause in the deed restrictions:  
:  
: : GENERAL RESTRICTIONS:  
:  
: : Antennae: No exterior radio or television antenna or aerial or satellite  
: : dish receiver, or other devices designed to receive telecommunication

: : signals, [...]

Note that the restriction must surely apply to car cellular phones - they are external, radio, etc. Bring that up at a meeting and I bet those scum &^\*&^\$ will do an about-face!!!

--

David Tiller	Network Administrator	Voice: (804) 752-3710	
dtiller@rmc.edu   n2kau/4	Randolph-Macon College	Fax: (804) 752-7231	
"Drunk, [Beowulf] slew no	P.O. Box 5005	ICBM: 37d 42' 43.75" N	
hearth companions."	Ashland, Va 23005	77d 31' 32.19" W	

-----

End of Info-Hams Digest V94 #1076

\*\*\*\*\*